

KW TGC-440; secretory protein; immunological disease; infections disease; nephrotic; nephrotropic; pulmonary function disorder; hepatocytic function disorder; immunomodulatory; gastrointestinal function disorder; antinflammatory; hepatotropic; hepatitis; nephritis; nephrotic; nephrotropic; hepatotropic; antiasthmatic; antibacterial; vaccine; hepatitis; nephritis; asthma; pulmonary hypertension; pneumonia; Helicobacter Pylori infection.

OS Homo sapiens.

XX PN WO20014226-A1.

XX PD 16-MAR-2000.

XX PF 02-SPR-1999; 99WO-JP04765.

XX PR 03-SPR-1998; 98JP-0250108.

XX PA (TAKE) TAKEDA CHEM IND LTD.

XX PI Itoh Y, Ogi K, Tanaka H, Kitada C;

XX DR WPI; 2000-256978/22.

XX DR N-PSDB; AAA08343, AAA08344.

PS PT secretory Protein TGC440; antibodies to it and compounds promoting or inhibiting its activity for diagnosis and treatment of diseases of the immune system, lung, kidney, liver and intestinal system

XX PS Claim 1; Fig 1; 86pp; Japanese.

XX CC The present sequence represents a human secretory protein designated TGC-440. TGC-440 has antiinflammatory, nephrotropic, immunomodulatory, virucide, hepatotropic, antiasthmatic and antibacterial activities, and can be used in vaccines. TGC-440 and the polynucleotide sequence encoding it can be used to treat, prevent and diagnose immunological, lung, liver, kidney or gastrointestinal disorders and infectious diseases, such as hepatitis, nephritis, influenza, asthma, pneumonia, pulmonary hypertension, and Helicobacter Pylori infection. An antibody immunospecific for TGC-440 is also useful in the above treatment and diagnosis, and also for quantifying the amount of TGC-440 in a liquid specimen.

XX SQ sequence 119 AA:

Query Match	100 %;	Score 644;	DB 21;	Length 119;
Best Local Similarity	100 %;	Pred. No. 1.7e-66;		
Matches 119;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0
QY	1	MKVLISSLILPLMLMSMSSSLPVGAVHGRHGRQASRRWILQEGQSCCKDWFLRAP 60		
Db	1	MKVLISSLILPLIMMSMSSSLPVGAVHGRHGRQASRRWILQEGQSCCKDWFLRAP 60		
OY	61	RRKFMVSGPKQCPCDHKGNYAKTRRORHHRKPNKHSRACQOFLKQCOLRSFALP 119		
Db	61	RRKFMVSGPKQCPCDHKGNYAKTRRORHHRKPNKHSRACQOFLKQCOLRSFALP 119		

RESULT 3
 AAY87317
 HD AAY87317 standard; Protein; 119 AA.

AC AAY87317;

XX DE Human signal peptide containing protein HSPP-94 SEQ ID NO: 94.

XX DE Human signal peptide containing protein HSPP-94 SEQ ID NO: 94.

KW Human; signal peptide-containing protein; HSPP; diagnosis; cancer; inflammation; cardiovascular disease; anticancer; anti-inflammatory; antimicrobial; nontropic; neuroprotective; cardiovascular; hepatotropic; antiasthmatic; gene therapy; cell proliferation; neurological disorder; reproductive disorder; developmental disorder; arteriosclerosis; cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;

KW asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
 KW Parkinson's disease; Huntington's diseases; ovulatory defect;
 XX muscular dystrophy.
 OS Homo sapiens.
 XX
 PN WO200000610-A2.
 XX
 PD 06-JAN-2000.
 XX
 PF 25-JUN-1999; 99WO-US14484.
 XX
 PR 26-JUN-1998; 98US-0090762.
 PR 31-JUL-1998; 98US-0094983.
 PR 01-OCT-1998; 98US-0102686.
 PR 11-DEC-1998; 98US-0112129.
 XX
 PA (INCY-) INCYTE PHARM. INC.
 XX
 PA Lal P, Tang YT, Gorjone GA, Corley NC, Guegler KJ, Baughn MR;
 PI Akerblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL;
 PI Bandman O.
 XX
 DR WPI; 2000-160673/14.
 DR N-PSDB; AAZ98202.
 XX
 PT New human signal peptide-containing proteins useful in treatment,
 prevention and diagnosis of e.g. cancer, inflammation and
 cardiovascular disease.
 XX
 PS Claim 1; Page 220-221; 327pp; English.
 XX
 AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the
 human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have
 anticancer, anti-inflammatory, antimicrobial, nontropic, hepatotropic,
 neuroprotective, cardiovascular, and antiasthmatic activities, and can
 be used in gene therapy. HSPPs can be used to treat or prevent disorders
 associated with decreased activity or function of HSPP. Antagonists of
 HSPP are used to treat or prevent disorders associated with increased
 activity or function of HSPP. Such diseases include cell proliferation
 (including cancer), inflammation, cardiovascular, neurological,
 reproductive or developmental disorders, (e.g. arteriosclerosis,
 cirrhosis, psoriasis, acquired immune deficiency syndrome, anemia,
 asthma, Crohn's disease, microbial or other infections, congestive or
 ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's
 diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP
 nucleic acids can be used for the recombinant production of HSPP, for
 detecting HSPP in standard hybridisation and amplification assays (for
 diagnosis and monitoring), in gene therapy, as antisense,
 triplex-forming or ribozyme therapeutics, for detecting related sequences
 or genetic variations, and for chromosomal mapping. HSPP are also used to
 raise specific antibodies (Ab) and to screen for agonists and
 antagonists (potential therapeutic agents). Ab are used to diagnose, or
 monitor, HSPP-related diseases (in usual immunoassays), as therapeutic
 antagonists, in competitive drug screens, and for purification of HSPP
 from natural sources.
 XX
 Sequence 119 AA:

Query Match 100.0%; Score 644; DB 21; Length 119;
 Best Local Similarity 100.0%; Pred. No. 1.7e-66; Mismatches 0;
 matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Oy 1 MKYLISSHLLPLMLPLMNSVSSSLNPGVARGHEDRGQASRRWVQEGSBECEKDWELRAP 60
 Db 1 MKYLISSHLLPLMLPLMNSVSSSLNPGVARGHEDRGQASRRWVQEGSBECEKDWELRAP 60
 61 RRKFMVSLPKQCPCHFKGNVKTRHRHKPNHSRACQQFLKQCLRSFALP 119
 Db 61 RRKFMVSLPKQCPCHFKGNVKTRHRHKPNHSRACQQFLKQCLRSFALP 119

chromosomal and gene mapping, and in the generation of anti-sense RNA and DNA. They may also be used to produce transgenic animals which are used to develop and screen therapeutically useful reagents. The PRO nucleotide and protein sequence can be used for tissue typing and in treating cancer. Anti-PRO antibodies can be used in diagnostic assays. AA4470 to AA4470 represent PCR primers and hybridization probes used in the isolation of human PRO sequences. AA44087 to AA4469 and CC65154 to AA65300 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention.

CC immunospecific for TGC-440 is also useful in the above treatment and diagnosis, and also for quantifying the amount of TGC-440 in a liquid specimen.

XX

SO Sequence 97 AA:

Query Match 85.1%; Score 548; DB 21; Length 97; Best Local Similarity 100.0%; Pred. No. 1.6e-55; Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 SLNPGVARGHGRGQASRRMQLQEGGQECCECKDWLIRAPRKFRMTVSGLPRKQCPCDHHRKG 82

Db 1 SLNPGVARGHGRGQASRRMQLQEGGQECCECKDWLIRAPRKFRMTVSGLPRKQCPCDHHRKG 60

QY 83 NVKKTRHQRHHRPKPNKHSRACQQLFKQCOLRSFALPL 119

Db 61 NVKKTRHQRHHRPKPNKHSRACQQLFKQCOLRSFALPL 97

RESULT 10
ID AAW83953 AAW83953 standard; Protein: 93 AA.

XX

CC	immuno specific for TGC-440 is also useful in the above treatment and diagnosis, and also for quantifying the amount of TGC-440 in a liquid specimen.					
CC						
CC						
SQ	Sequence 97 AA:					
	Query Match 85.1%; Score 548; DB 21; Length 97;					
	Best Local Similarity 100.0%; Pred. No. 1. 6e-55; Mismatches 0; Indels 0; Gaps 0					
QY	SLNPVGVARGHRRGQASRRWLOEGQCECKWFLRAPRKRMTVSGLPKQQCPDCDFK3 82					
Db	1 NYKKTRHRRHRRKPKNSRACQFLKQCLQASFALP 97					
	RESULT 10					
	AAW83953 standard; Protein: 93 AA.					
XX	AAW83953;					
AC	DE					
	Polypeptide encoded by gene 7 clone HJPD64.					
XX	KW					
	Secreted protein; gene therapy; protein therapy; diagnosis; treatment; central nervous system; CNS; immune system; cancer; trauma; liver; reproductive disorder; congenital malformation; degenerative disease; inflammatory disease; neoplasia; metabolic disorder; testis; placenta; brain; T cell; spleen; lung; heart; rhabdomyosarcoma; endocrine system; endocrinopathy; endocrine polyglandular syndrome; endocrinoma; sepsis; endocrine ophthalmopathy; osteoclastoma; bacterial infection; bone.					
XX	KW					
	Homo sapiens.					
XX	XX					
	W09845712-A2.					
PN	XX					
	W09845712-A2.					
PD	XX					
	15-OCT-1998.					
PF	XX					
	07-APR-1998; 98WO-US06801.					
PR	XX					
	30-MAY-1997; 97US-0048184.					
PR	XX					
	08-APR-1997; 97US-0042726.					
PR	XX					
	08-APR-1997; 97US-0042727.					
PR	XX					
	08-APR-1997; 97US-0042728.					
PR	XX					
	08-APR-1997; 97US-0042754.					
PR	XX					
	08-APR-1997; 97US-004825.					
PR	XX					
	30-MAY-1997; 97US-0048068.					
PR	XX					
	30-MAY-1997; 97US-0048070.					
XX	(HUMA -) HUMAN GENOME SCI INC.					
XX	XX					
	Feng P, NI J, Rosen CA, Ruben SM, Yu G;					
XX	XX					
	WPI; 1998-594496/50.					
PR	XX					
	New isolated human genes and secreted polypeptide(s) they encode - useful for the diagnosis and treatment of e.g. cancers, CNS disorders, immune system disorders, inflammatory disease and bacterial infections					
PR	XX					
	This represents a polypeptide encoded by the nucleic acid molecule designated Gene 7 from the human cDNA clone HJPD64 which encodes a protein of the invention. The gene is expressed primarily in liver, spleen, bone marrow and to a lesser extent in amygdala and is useful as reagents for differential identification of tissues in a biological					
PR	XX					
	Disclosure; Page 10; 142pp; English.					
	SEQUENCE: 53 (P126)					

